## SEQUENCE LISTING

BH

## (1) GENERAL INFORMATION:

(i) APPLICANT:

SOUPPE, Jerome

BEUDEKER, Robert Franciscus

(ii) TITLE OF INVENTION:

PROCESS FOR THE PRODUCTION OF ALCOHOLIC BEVERAGES USING MALTSEED

(iii) NUMBER OF SEQUENCES: 8

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: LADAS & PARRY

(B) STREET: 26 WEST 61 STREET

(C) CITY NEW YORK

(D) STATE NY

(E) ZIP CODE: 10023

(F) COUNTRY: USA

(iv) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

(B) COMPUTER: IBM PC compatible

(C) OPERATING SYSTEM: Microsoft Windows for Workgroups

(D) SOFTWARE: WordPerect 8

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 09/970,616

(B) FILING DATE: 04-OCT-2001

(C) CLASSIFICATION: 435

(vi) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 09/230,590

(B) FILING DATE: 28-APR-1999

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: PCT/EP97/04016

(B) FILING DATE: 23-JUL-1997

(vi) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: EP 96202195.2

(B) FILING DATE: 05-AUG-1996

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: MASS, CLIFFORD J.

(B) REGISTRATION NO. 30,086

(C) REF./DOCKET NO.: U-012094-9

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE NUMBER: (212) 708-1890

(B) TELEFAX NUMBER: (212) 246-8959

(C) TELEX NUMBER: 233288

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(2)	INF	ORMA'	TION	FOR	SEQ	ID	NO:	1:							
	(i	(. (:	A) L B) T C) S	CE C ENGT: YPE: TRAN	H: 5 nuc DEDN	57 b leic ESS:	ase ; aci dou	pair d	s						
	(ii	) MO	LECU	LE T	YPE:	cDN.	A								
	(iii	) <b>H</b> Y:	POTH	ETIC	AL: 1	NO									
	(iii)	'MA (	ri-s	ENSE	: NO										
	(ix)	(1	A) N	: AME/I OCAT: THER	ON:	1		: /p:	rodu	ct=	"mati	ure j	prot	ein"	
	(xi	) SE	QUEN	CE D	ESCR:	IPTI	ON:	SEQ :	ID N	0: 1	:				
	AGC Ser														4.8
	TTT Phe														96
	GGC Gly														144
	TCC Ser 50														192
	TCC Ser														240
	TAC Tyr														288
_	TCC Ser														336
	GAC Asp														384

				AGC Ser												432
				CAC His												480
				TAC Tyr 165												528
				GTC Val					TG							557
(2)				FOR ENCE												
		( <i>I</i>	4) Li	ENGTI YPE : OPOLO	H: 18 amir	35 an	nino cid									
				LE TY		-		SEQ I	ID NO	): 2:	:					
Met 1	Ser	Ala	Gly	Ile 5	Asn	Tyr	Val	Gln	Asn 10	Tyr	Asn	Gly	Asn	Leu 15	Gly	
Asp	Phe	Thr	Tyr 20	Asp	Glu	Ser	Ala	Gly 25	Thr	Phe	Ser	Met	Tyr 30	Trp	Glu	
Asp	Gly	Val 35	Ser	Ser	Asp	Phe	Val 40	Val	Gly	Leu	G1y	Trp 45	Thr	Thr	Gly	
Ser	Ser 50	Asn	Ala	Ile	Thr	Tyr 55	Ser	Ala	Glu	Tyr	Ser 60	Ala	Ser	Gly	Ser	
Ala 65	Ser	Tyr	Leu	Ala	Val 70	Tyr	Gly	Trp	Val	Asn 75	Tyr	Pro	Gln	Ala	Glu 80	
Tyr	Tyr	Ile	Val	Glu 85	Asp	Tyr	Gly	Asp	Tyr 90	Asn	Pro	Cys	Ser	Ser 95	Ala	
Thr	Ser	Leu	Gly 100	Thr	Val	Tyr	Ser	Asp 105	Gly	Ser	Thr	Tyr	Gln 110	Val	Cys	
Thr	Asp	Thr 115	Arg	Thr	Asn	Glu	Pro 120	Ser	Ile	Thr	Gly	Thr 125	Ser	Thr	Phe	
Thr	Gln	Tyr	Phe	Ser	Val	Arg	Glu	Ser	Thr	Arg	Thr	Ser	Gly	Thr	Val	

Thr Val A	ala Asn His Phe Asn Phe Trp Ala Gln His Gly Phe Gly Asn 150 155 160	
Ser Asp P	The Asn Tyr Gln Val Val Ala Val Glu Ala Trp Ser Gly Ala 165 170 175	
Gly Ser A	la Ser Val Thr Ile Ser Ser 180 185	
(2) INFOR	MATION FOR SEQ ID NO: 3:	
(i)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 71 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: cDNA	
( <b>iii</b> ) :	HYPOTHETICAL: NO	
(iii) .	ANTI-SENSE: NO	
(vi)	ORIGINAL SOURCE: (A) ORGANISM: Nicotiana tabacum	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 3:	
AACTTCCTC.	A AGAGCTTCCC CTTTTATGCC TTCCTTTGTT TTGGCCAATA CTTTGTAGCT	60
GTTACGCAT	G C	71
(2) INFOR	MATION FOR SEQ ID NO: 4:	
(i)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 80 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) 1	MOLECULE TYPE: cDNA	
(iii) :	HYPOTHETICAL: NO	
(iii)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
CCATGGCAT	G CGTAACAGCT ACAAAGTATT GGCCAAAACA AAGGAAGGCA TAAAAGGGGA	60
AGCTCTTGA	G GAAGTTCATG	80

(2) INFO	RMATION FOR SEQ ID NO: 5:	
(i)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 21 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: cDNA	
(iii)	HYPOTHETICAL: NO	
(iii)	ANTI-SENSE: NO	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 5:	
ATGGATGG	CA TGCTGTTGTA G	21
(2) INFO	RMATION FOR SEQ ID NO: 6:	
(i)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 21 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: cDNA	
(iii)	HYPOTHETICAL: NO	
(iii)	ANTI-SENSE: NO	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 6:	
GCACAATT	CT CGAGGAGACC G	21
(2) INFO	RMATION FOR SEQ ID NO: 7:	
(i)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 21 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: cDNA	
(iii)	HYPOTHETICAL: NO	
(iii)	ANTI-SENSE: NO	
(xi)	SECURINCE DESCRIPTION: SEC ID NO. 7:	

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CCTCTTAAGG ATCCAATGCG G

But

(2) INFORMATION FOR SEQ ID NO: 8:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 21 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (iii) HYPOTHETICAL: NO
- (iii) ANTI-SENSE: NO
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

CTTATCTGAA TTCGGAAGCT C

21